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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Clarbruno VERDUCCIO

Serial No.: 10/055,811

Group No.: 1743

Filed: January 23, 2002

Examiner: A. Soderquist

For: ELECTROMAGNETIC ANALYZER OF ANISOTROPY IN CHEMICAL
ORGANIZED SYSTEMS

Attorney Docket No.: U 013839-0

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

COMMUNICATION

The Applicant offers the following comments to further prosecution of the application.

Figs. 4 and 5 of the above application illustrate schematic diagrams of the electromagnetic generator in a semi-reflecting cavity (21), that contains a tuned line connected to the base of the semiconductor coherent oscillator device (27). This semiconductor is also wired to the radio frequency impedance Z2 and Z1 that receives the power supply positive voltage via the ballast resistor RB1. The node Z1-(27) is wired to the

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tuned inductor L1 that injects a part of the electromagnetic current on the tuned line. The preliminary injection module (22), wired to a momentary switch is powered by the same battery that provides the energy to the apparatus all. The module (22), when powered by the momentary switch, provides a wide band electromagnetic transient pulse, that is used to start the coherent oscillation by means of the semiconductor (27). The transformer primary winding (28), included in the dashed line screen box, is connected to the positive power bus, by means of the radio frequency impedance Z3, and the on /off switch connected to the battery, while on the opposite side is wired to the ballast resistor RB1. The transformer (28) secondary winding is connected to the module (29) that represents an ordinary low frequency amplifier connected to suitable transducers. The J1 BNC connector is wired to a diode D1 1N4007 and to the battery, and provides the power input to recharge the battery.

Respectfully submitted,



William R. Evans
c/o Ladas & Parry LLP
26 West 61st Street
New York, New York 10023
Reg. No. 25858
Tel. No. (212) 708-1930